

Fig. 1

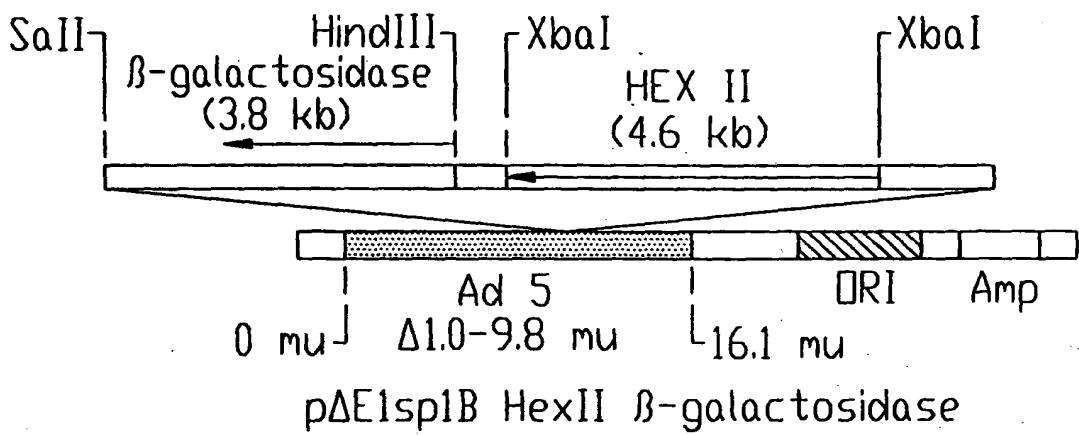


Fig. 2

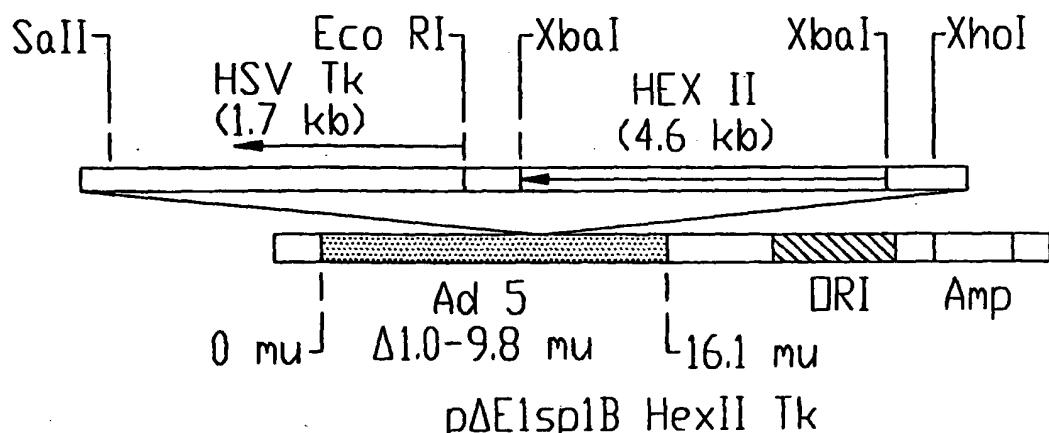


Fig. 3

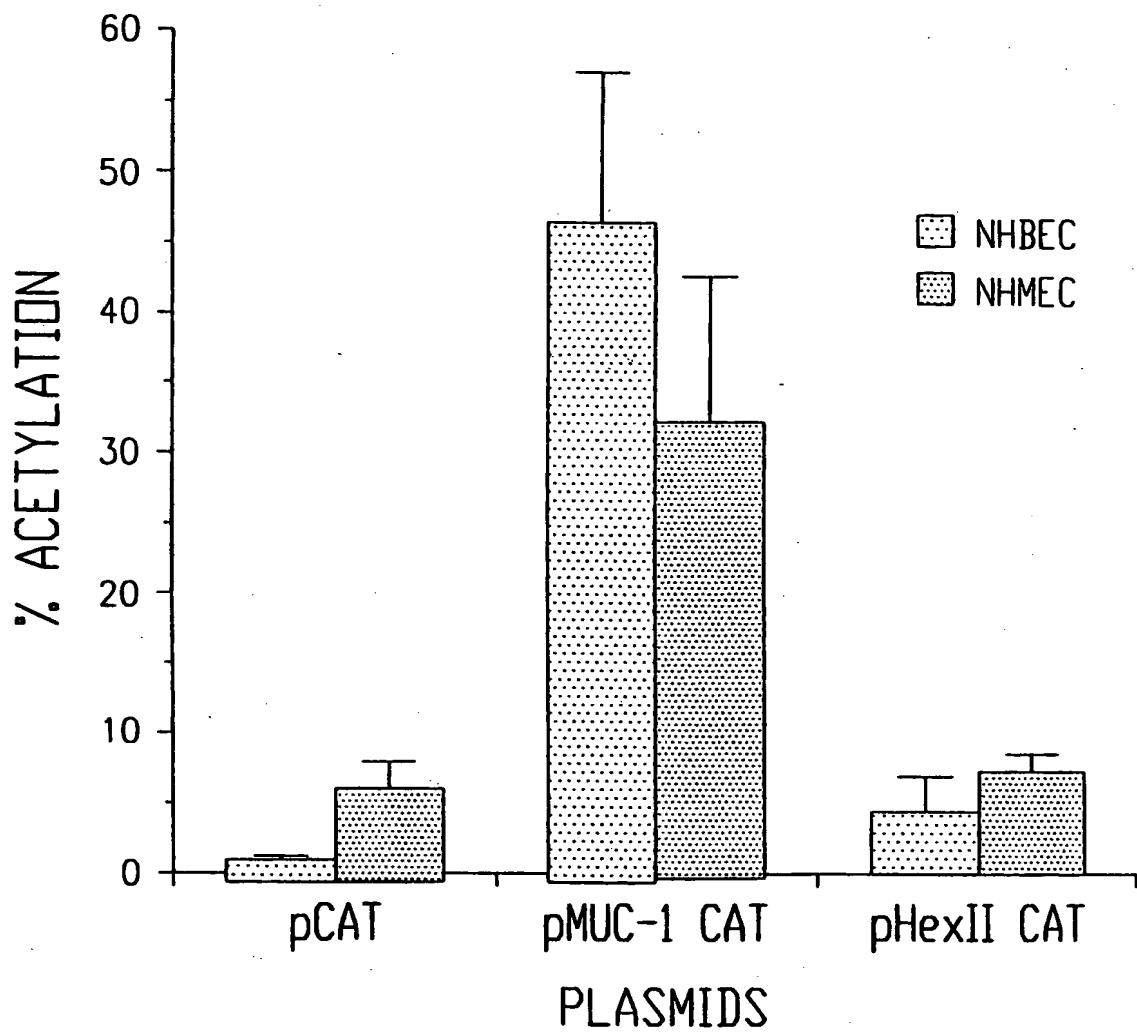


Fig. 4

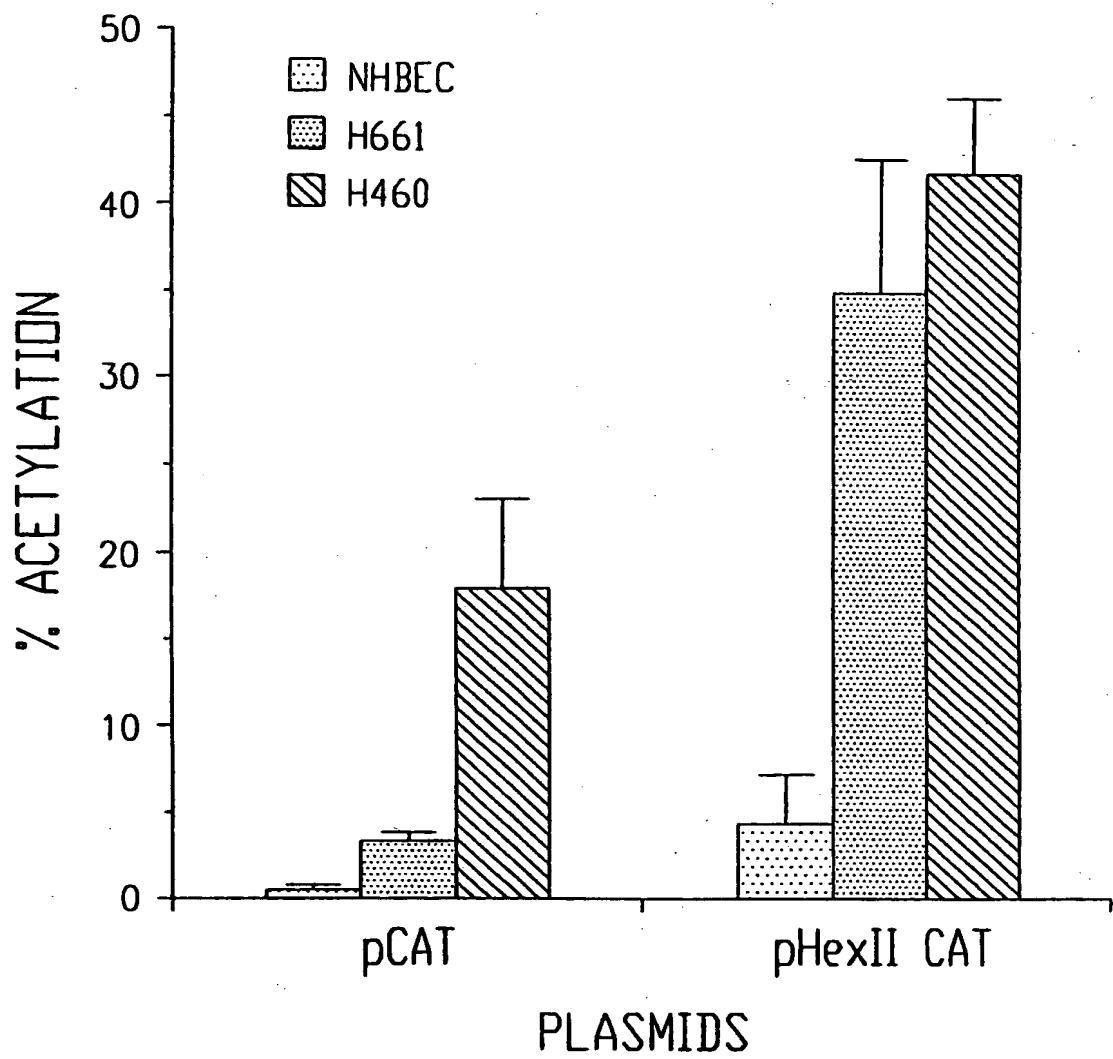


Fig. 5

Fig. 6A



Fig. 6B



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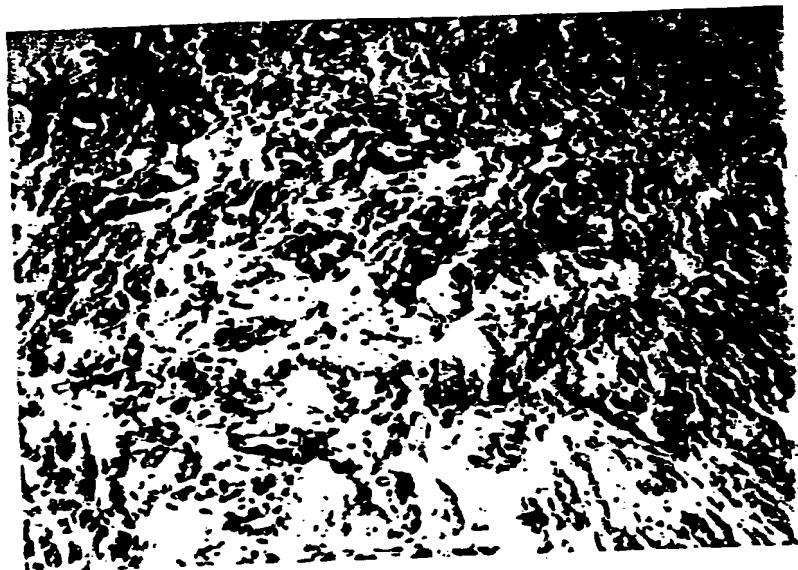


Fig. 6C



Fig. 6D

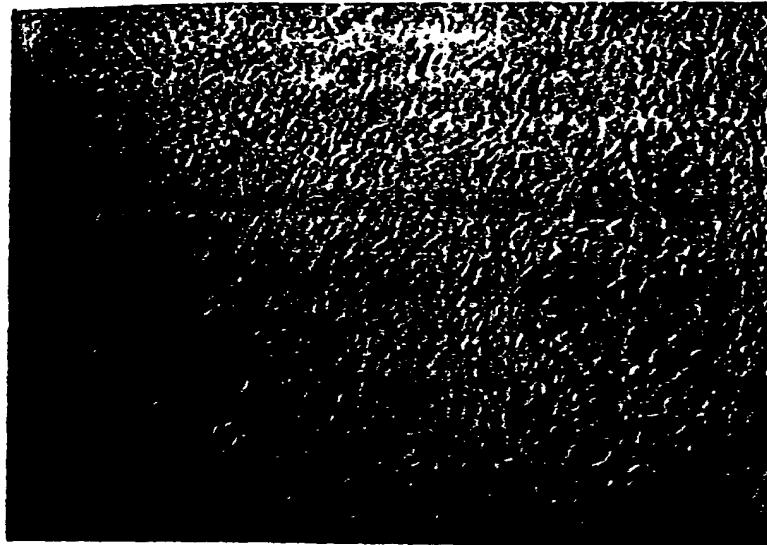


Fig. 6E



Fig. 6F

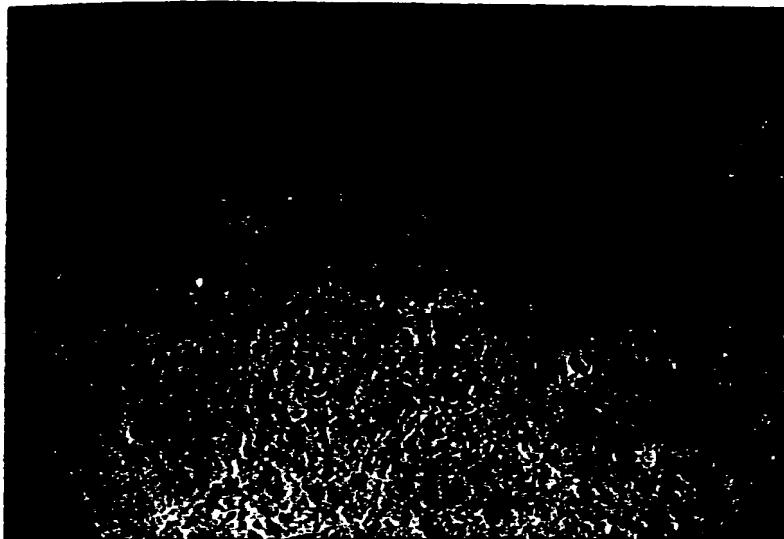


Fig. 6G

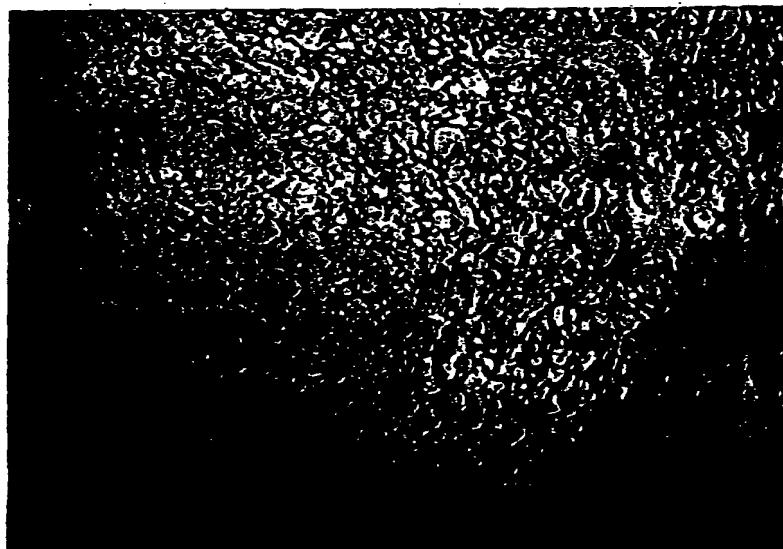


Fig. 6H

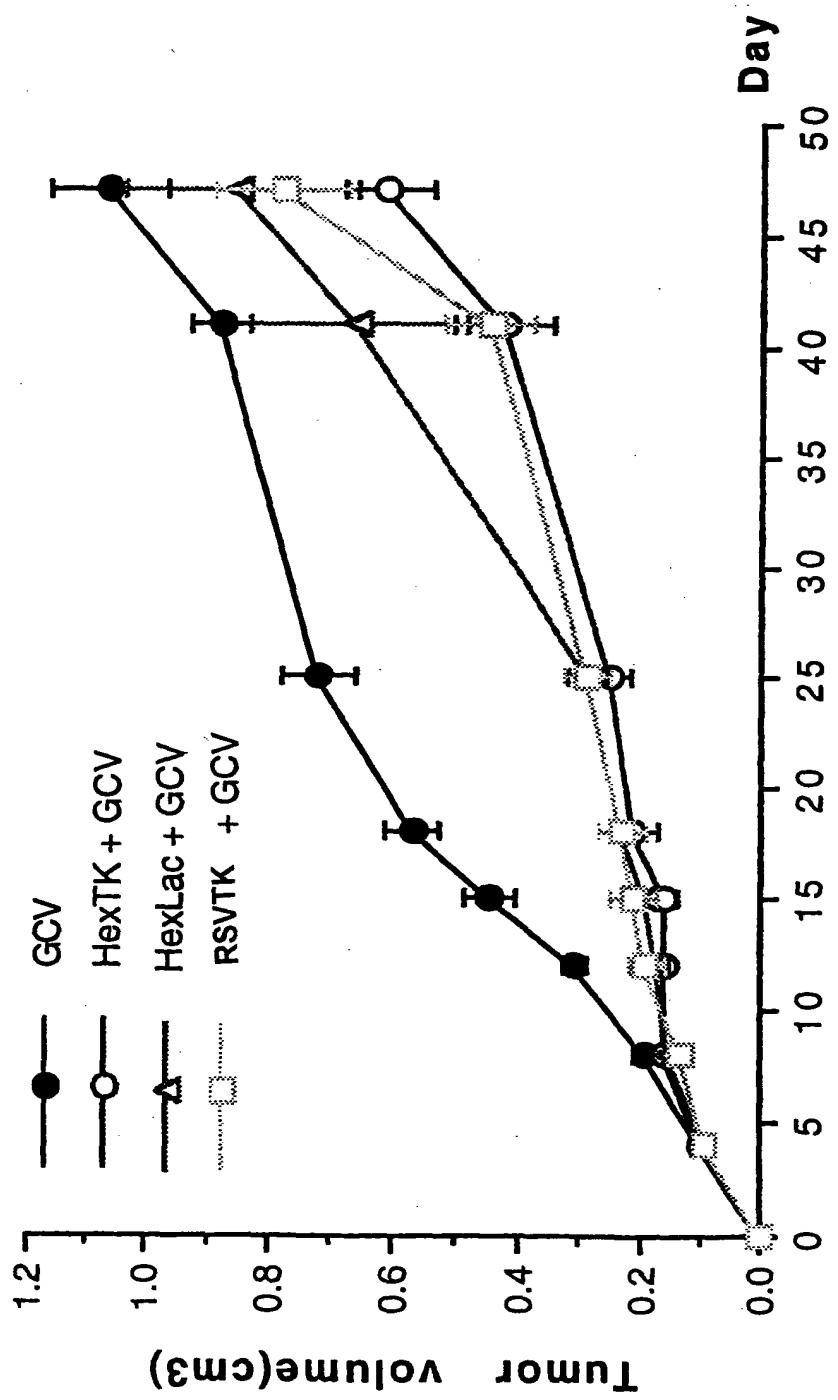


Fig. 7A

Tumor growth in DA3 mice treated with Adenovirus

d	G1 GCV/LP.						G2 Matrix + GCV/LP.												
	4	8	12	15	18	25	41	47	4	8	12	15							
date	7/12	11/12	15/12	18/12	21/12	28/12	13/1	19/1	date	7/12	11/12	15/12	18/12	21/12	28/12	13/1	19/1		
#1	0.63	0.76	0.87	0.95	1.00	1.05	1.19	1.23	#1	0.52	0.60	0.67	0.72	0.78	0.80	0.85	0.87		
#2	0.74	0.84	0.92	1.02	1.13	1.16	1.28	1.46		0.65	0.72	0.78	0.80	0.85	0.95	0.76	0.98		
#2	0.52	0.75	0.80	1.06	1.14	1.22	1.20	1.18	#2	0.60	0.63	0.56	0.54	0.62	0.72	0.78	0.66	0.93	1.00
#3	0.68	0.98	1.24	1.28	1.40	1.50	1.46	1.50		0.62	0.72	0.78	0.74	0.78	0.90	1.13	1.30		
#3	0.48	0.53	0.66	0.78	0.75	0.88	1.01	1.18	#3	0.60	0.63	0.55	0.47	0.48	0.56	0.68	0.85		
#3	0.62	0.84	0.78	0.98	1.24	1.33	1.43	1.64		0.70	0.74	0.68	0.62	0.68	0.70	0.82	1.02		
#4	0.44	0.56	0.82	0.86	1.00	S			#4	0.58	0.67	0.67	0.58	0.60	0.67	0.73	0.90		
#4	0.77	0.90	1.04	1.06	1.14	S				0.67	0.74	0.70	0.72	0.73	0.82	0.93	1.07		
#5	0.48	0.65	0.82	0.90	1.03	1.08	1.12	1.13	#5	0.50	0.64	0.53	0.47	0.50	0.60	0.58	0.82		
#5	0.55	0.62	1.13	1.18	1.21	1.30	1.26	1.30		0.68	0.72	0.64	0.72	0.62	0.68	0.70	1.02		
#6	0.56	0.60	0.72	0.80	0.78	1.08	1.22	1.37	#6	0.56	0.67	0.72	0.77	0.74	0.75	0.74	0.90		
#6	0.67	0.86	1.17	1.20	1.37	1.33	1.38	1.44		0.64	0.75	0.82	0.92	0.95	1.02	1.23	1.28		
#7	0.53	0.62	0.66	0.73	0.86	0.85	1.04	1.19	#7	0.58	0.64	0.67	0.64	0.73	0.84	0.94	0.98		
#7	0.60	0.84	0.84	1.08	1.18	1.32	1.38	1.47		0.63	1.04	0.97	0.98	0.96	1.00	1.15			
#8	0.58	0.73	0.90	0.95	1.03	S			#8	0.45	0.62	0.68	0.72	0.82	0.92	0.90	0.86		
#8	0.73	0.85	1.05	1.13	1.21	S				0.60	0.78	1.03	1.10	1.26	1.37	1.50	1.57		
#9	0.57	0.65	0.68	0.78	0.92	1.04	1.08	1.07	#9	0.56	0.65	0.54	0.54	0.65	0.66	0.67	0.87		
#9	0.62	0.75	1.14	1.27	1.30	1.48	1.50	1.60		0.73	0.82	0.93	0.95	0.97	0.94	1.19	1.27		
#10	0.52	0.60	0.73	0.88	0.95	0.97	1.02	1.00	#10	0.52	0.64	0.50	0.50	0.64	0.58	0.57	0.65		
#10	0.73	1.04	1.14	1.16	1.20	1.21	1.34	1.46		0.65	0.97	1.08	0.94	0.92	1.20	1.18	1.28		
#11	0.60	0.57	0.60	0.64	0.77	1.08	1.13	1.25	#11	0.52	0.64	0.66	0.79	0.88	0.85	1.01	1.15		
#11	0.84	0.97	1.28	1.34	1.54	1.50	1.87	2.25		0.58	0.83	0.98	1.06	1.10	1.48	1.46			
#12	0.66	0.82	0.92	1.04	1.08	1.05	1.10	1.12	#12	0.48	0.58	0.67	0.95	0.92	0.97	1.03	1.20		
#12	0.68	0.88	0.94	1.12	1.20	1.18	1.24	1.30		0.58	0.67	0.67	0.52	0.50	0.54	0.68	0.80		
#13	0.15	0.28	0.35	0.46	0.57	0.65	0.91	1.12	#1	0.09	0.13	0.10	0.07	0.06	0.11	0.13	0.37		
#2	0.09	0.28	0.40	0.72	0.91	1.12	1.07	1.04	#2	0.11	0.14	0.12	0.11	0.13	0.20	0.49	0.65		
#3	0.07	0.09	0.17	0.30	0.35	0.51	0.73	1.14	#3	0.13	0.15	0.10	0.07	0.06	0.12	0.19	0.37		
#4	0.07	0.14	0.35	0.49	0.57	S			#4	0.11	0.17	0.16	0.12	0.13	0.18	0.25	0.43		
#5	0.06	0.17	0.38	0.48	0.64	0.76	0.78	0.83	#5	0.09	0.15	0.12	0.08	0.13	0.17	0.16	0.39		
#6	0.11	0.17	0.30	0.38	0.42	0.78	1.03	1.35	#6	0.11	0.19	0.24	0.25	0.27	0.28	0.36	0.57		
#7	0.08	0.16	0.20	0.29	0.46	0.48	0.75	1.04	#7	0.11	0.21	0.22	0.18	0.26	0.38	0.53	0.58		
#8	0.12	0.23	0.43	0.51	0.64	S			#8	0.06	0.15	0.24	0.37	0.52	0.51	1.04	1.29		
M	0.10	0.18	0.31	0.45	0.57	0.72	0.88	1.07	M	0.10	0.16	0.16	0.21	0.25	0.43	0.61			
SD	0.02	0.06	0.08	0.13	0.15	0.19	0.17	0.30	SD	0.02	0.03	0.05	0.14	0.12	0.27	0.27			
SEM	0.01	0.02	0.04	0.04	0.06	0.06	0.05	0.10	SEM	0.01	0.01	0.02	0.04	0.03	0.06	0.07			

5x10⁶ DA3 cells s.c. on 03/12/88 (00). Ganciclovir/GCV 100mg/kg i.p. on 03-14/12/88 (00-011).

Adenovirus Intratumoral Injections on 08-10/12/88 (05-017).

Fig. 7B

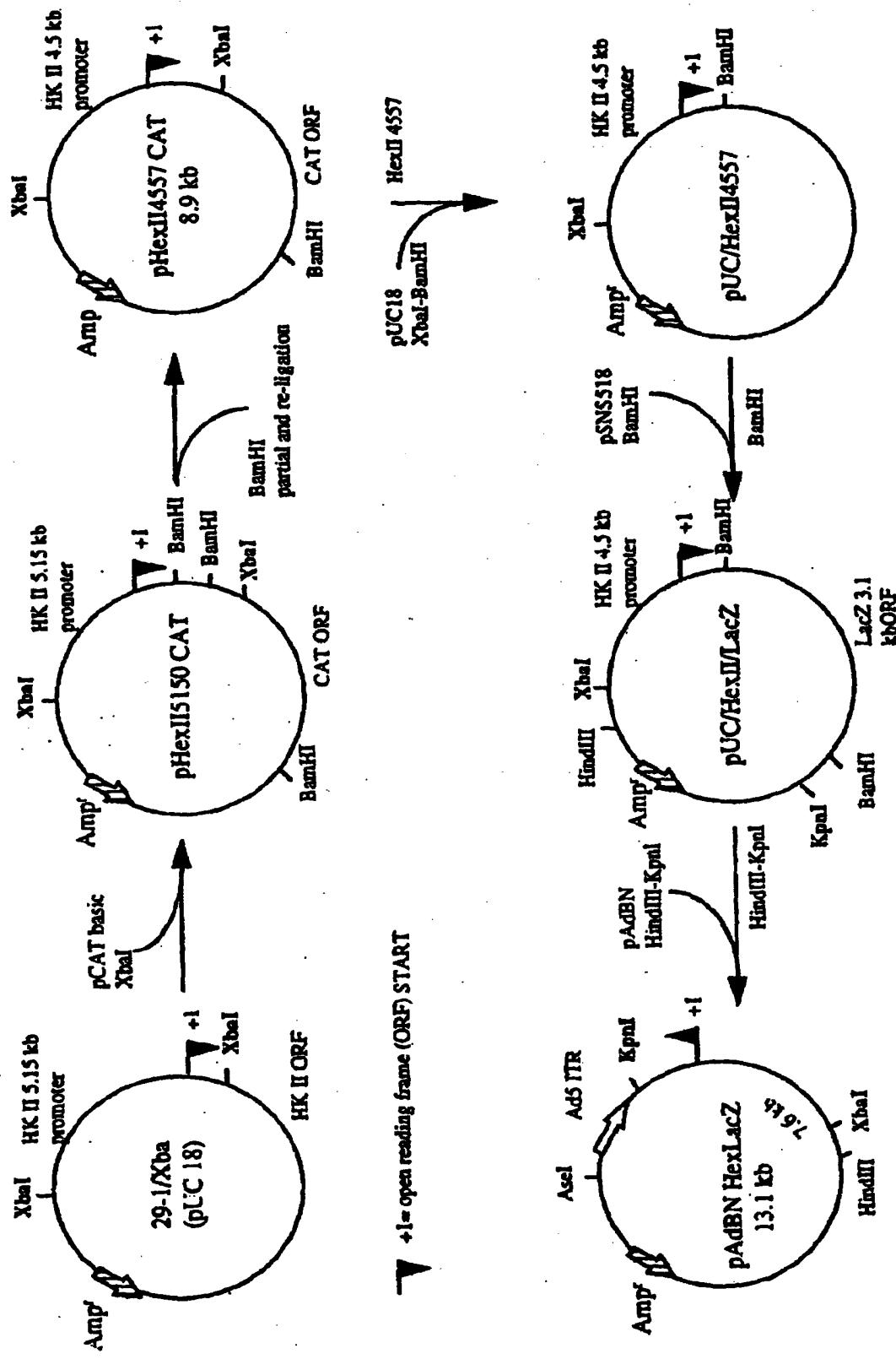
Tumor growth in DA3 mice treated with Adenovirus

	G3 HerxLac + GCV IP.						G4 HerxHSV + GCV IP.											
d	4	8	12	15	16	25	41	47	d	4	6	12	15	18	25	41	47	
date	7/12	11/12	15/12	16/12	21/12	28/12	13/1	19/1	date	7/12	11/12	15/12	18/12	21/12	28/12	13/1	19/1	
#1	0.53	0.64	0.60	0.57	0.65	0.68	0.60	0.82	#1	0.50	0.54	0.53	0.55	0.53	0.62	0.74	0.97	
0.65	0.70	0.64	0.64	0.72	0.60	0.62	1.02		0.66	0.90	1.06	0.98	1.04	1.03	1.16	1.13		
#2	0.60	0.70	0.65	0.60	0.70	0.70	0.77	0.85	#2	0.48	0.65	0.60	0.57	0.53	0.70	1.06	1.28	
0.68	0.76	0.78	0.77	0.72	0.86	0.88	0.98		0.73	0.78	1.18	1.16	1.10	1.28	1.80	1.88		
#3	0.58	0.66	0.57	0.63	0.66	0.73	1.04	1.16	#3	0.67	0.74	0.80	0.90	0.93	0.98	0.79	1.00	
0.65	0.68	0.80	0.86	0.95	1.09	1.50	1.64		0.78	0.80	1.06	1.12	1.16	1.38	1.45			
#4	0.46	0.46	0.57	0.60	0.64	0.77	0.90	0.93	#4	0.57	0.58	0.65	0.56	0.55	0.66	0.76	0.83	
0.67	0.75	0.76	0.78	0.80	0.84	0.99	1.22		0.76	0.80	0.82	0.60	0.62	0.74	1.00	1.02		
#5	0.56	0.72	0.67	0.67	0.73	0.90	1.23	1.28	#5	0.48	0.50	0.64	0.70	0.78	0.78	0.88	1.30	
0.77	0.83	0.90	0.82	1.08	1.16	1.80	1.80		0.73	0.80	0.92	0.86	0.86	1.00	1.35	1.37		
#6	0.47	0.62	0.56	0.56	0.60	0.70	0.94	1.40	#6	1.47	1.6	0.45	0.45	0.45	0.43	0.40	0.48	
0.53	0.79	1.04	1.05	1.17	1.28	1.88	1.85		0.53	0.58	0.55	0.48	0.48	0.62	0.60	0.76		
#7	0.52	0.60	0.72	0.75	0.68	S	S	S	#7	0.48	0.55	0.78	0.76	0.80	0.90	0.90	1.06	
0.72	0.78	0.80	0.94	1.18	S	S	S		0.80	0.77	0.88	0.87	0.95	0.96	1.02	1.13		
#8	0.45	0.60	0.65	0.70	0.74	S	S	S	#8	0.49	0.53	0.58	0.86	0.80	0.98	0.97	1.08	
0.50	0.85	1.05	1.06	1.17	S	S	S		0.67	0.85	1.03	1.10	1.12	1.14	1.25	1.47		
#9	0.50	D	D	D	D	D	D	D	#9	0.54	0.57	0.55	0.57	0.60	0.67	0.76	1.00	
0.63	D	D	D	D	D	D	D		0.60	0.68	0.96	1.00	1.04	1.12	1.50	1.55		
#10	0.48	0.65	0.73	0.68	0.70	0.74	0.84	0.92	#10	0.47	0.50	0.52	0.50	0.50	0.57	0.71	1.12	
0.66	0.78	0.80	1.02	1.03	1.07	1.20	1.23		0.65	1.05	1.18	0.94	0.72	0.74	1.10	1.28		
#11	0.54	0.62	0.72	0.98	0.70	0.73	0.85	1.03	#11	0.52	0.57	0.58	0.54	0.57	0.60	0.73	0.96	
0.59	0.70	0.90	1.06	1.12	1.28	1.20	1.42		0.60	0.88	0.93	0.86	0.96	1.02	1.40	1.32		
#12	0.55	0.56	0.56	0.57	0.60	0.67	0.72	0.90	#12	0.48	0.63	0.82	0.85	0.87	0.90	0.97	1.17	
0.58	0.73	0.78	0.82	0.87	1.07	1.08	1.25	1.25		0.77	0.80	1.07	1.17	1.35	1.40	1.74	1.90	
#13	0.59	0.14	0.12	0.10	0.15	0.18	0.28	0.43	#11	0.09	0.13	0.15	0.15	0.15	0.20	0.32	0.53	
0.12	0.19	0.16	0.14	0.18	0.21	0.26	0.35	#12	0.08	0.16	0.21	0.19	0.15	0.31	1.01	1.54		
#14	0.11	0.15	0.13	0.17	0.21	0.29	0.81	1.10	#13	0.18	0.22	0.34	0.45	0.50	0.46	0.49	0.73	
0.08	0.09	0.12	0.14	0.16	0.25	0.40	0.53	#14	0.12	0.13	0.12	0.09	0.09	0.18	0.29	0.35		
#15	0.12	0.22	0.20	0.21	0.28	0.37	1.36	1.43	#15	0.08	0.10	0.19	0.21	0.27	0.30	0.52	1.16	
#16	0.08	0.15	0.17	0.19	0.29	0.45	1.65	2.00	#16	0.05	0.06	0.06	0.04	0.04	0.07	0.08	0.14	
#17	0.10	0.14	0.21	0.26	0.27	S	S	#17	0.09	0.16	0.27	0.25	0.27	0.40	0.41	0.93		
#18	0.05	0.15	0.22	0.26	0.32	S	S	S	#18	0.08	0.12	0.17	0.24	0.36	0.44	0.59	0.86	
#19	0.08	D	D	D	D	D	D		#19	0.09	0.11	0.15	0.18	0.19	0.25	0.43	0.78	
#20	0.08	0.18	0.21	0.24	0.25	0.28	0.42	0.52	#20	0.07	0.13	0.16	0.12	0.09	0.12	0.28	0.80	
#21	0.08	0.13	0.21	0.25	0.27	0.34	0.43	0.75	#21	0.08	0.11	0.15	0.13	0.16	0.24	0.37	0.61	
#22	0.08	0.11	0.13	0.13	0.16	0.24	0.32	0.51	#22	0.09	0.16	0.38	0.42	0.51	0.57	0.66	1.23	
M	0.09	0.15	0.17	0.19	0.23	0.29	0.68	0.85	M	0.09	0.13	0.19	0.21	0.23	0.29	0.45	0.78	
SD	0.02	0.03	0.04	0.06	0.08	0.51	0.56	SD	0.03	0.04	0.09	0.12	0.16	0.15	0.23	0.39		
SEM	0.01	0.01	0.02	0.02	0.03	0.17	0.19	SEM	0.01	0.01	0.03	0.04	0.04	0.04	0.07	0.11		

Fig. 7C

Adenovirus intratumoral injections on 08, 10/12/98(D11).

Strategy for generating the HK II promoter reporter gene construct pHexII4557 CAT, and pUC/HexII/LacZ and pADBn/HexLacZ



8
Eii

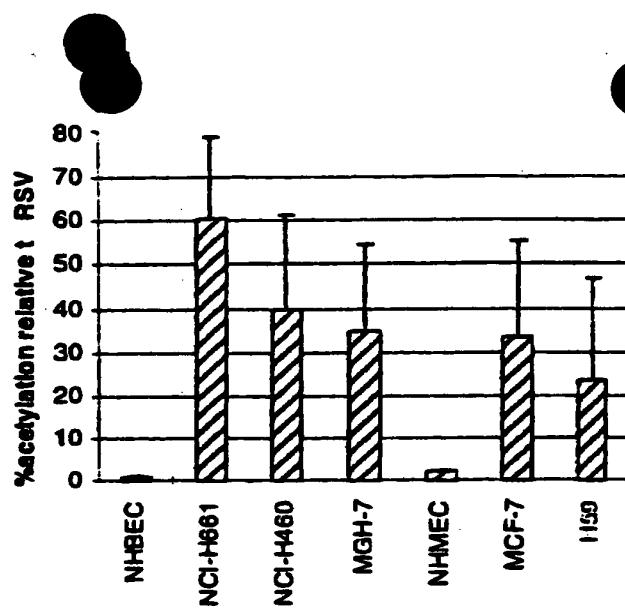


Fig. 9A

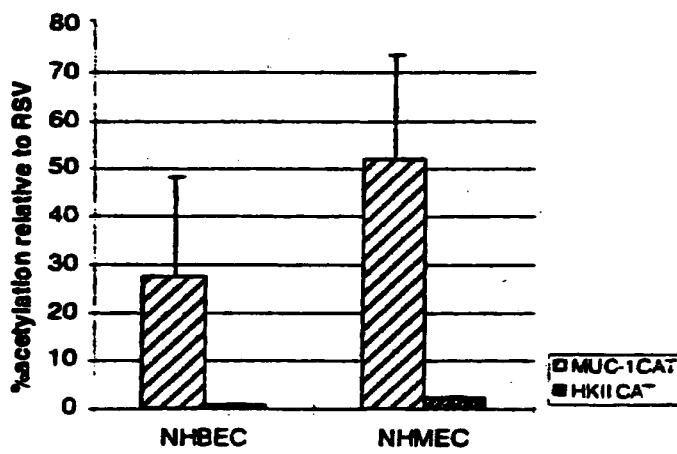


Fig. 9B

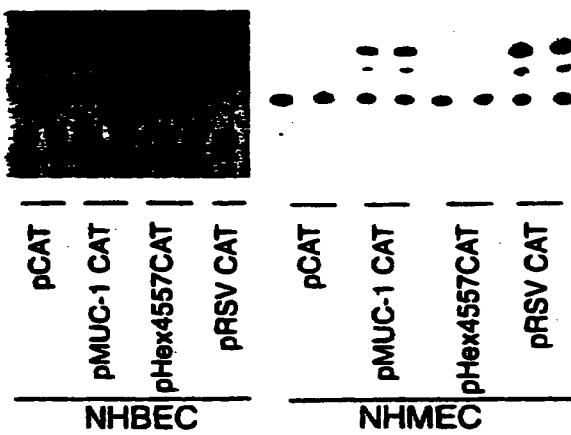


Fig. 9C

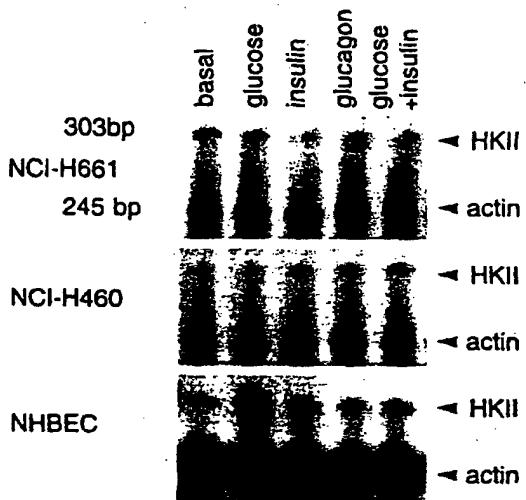


Fig. 10A

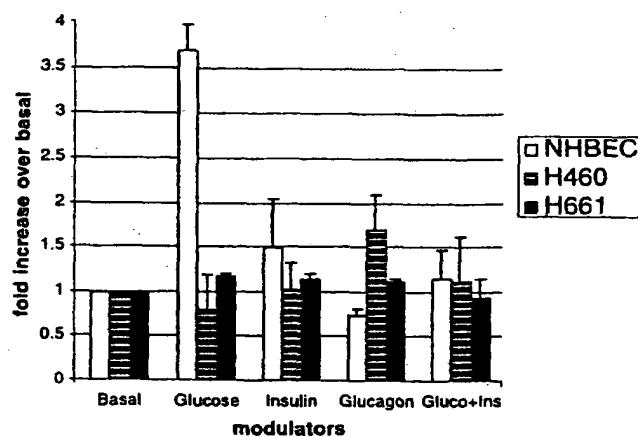


Fig. 10B

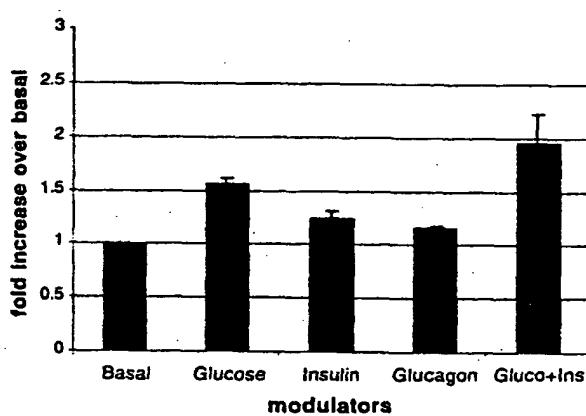


Fig. 10C

9979223 124600



Fig. 11A

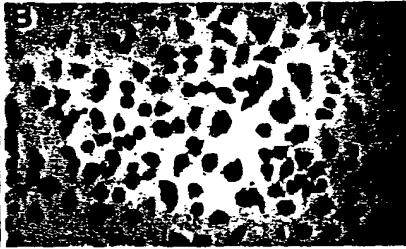


Fig. 11B



Fig. 11C

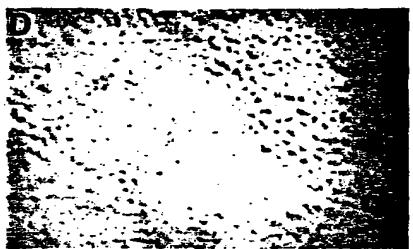


Fig. 11D

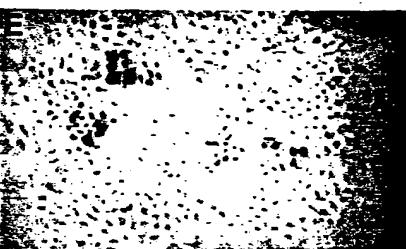


Fig. 11E

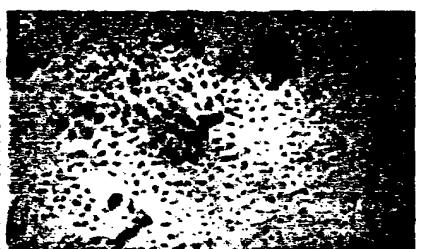


Fig. 11F

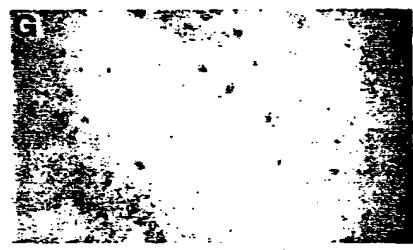


Fig. 11G



Fig. 11H

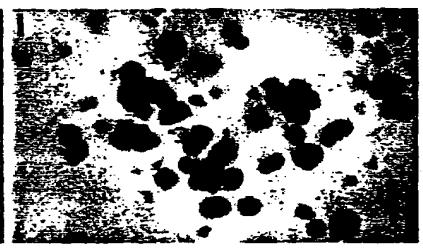


Fig. 11I

Fig. 12A

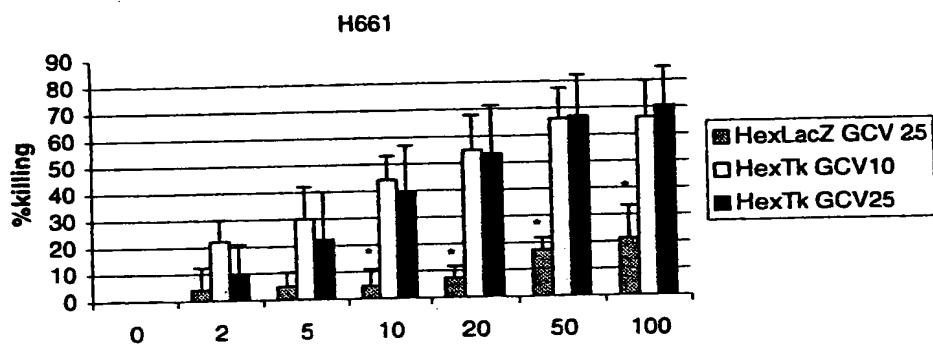


Fig. 12B

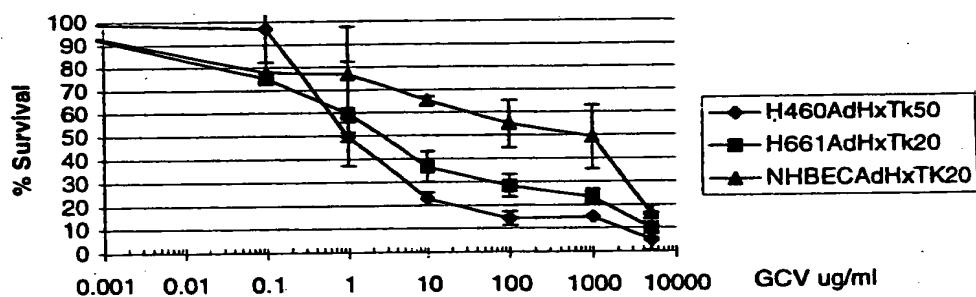


Fig. 12C

